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| Post-It™ brand fax transmittal memo 7871 | | # of pages = 8 |
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1/28/98

Dear Barry:

Here is a copy of my C.V. plus 3 pages from my more recent publications. Hopefully this informal communication will give you the necessary information. If not, give me a ring.

Sincerely,

George Volkmann

CURRICULUM VITAE

for

GEORGE L. VOELZ, M.D.

Los Alamos National Laboratory
Los Alamos, New Mexico 87545
Phone: (505) 667-8956

Home Address : 117 La Vista Drive, Los Alamos, NM 87544
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Specialty : Occupational Medicine - Diplomate of the American
Board of Preventive Medicine (Occupational Medicine),
certified in 1959

Education : B.S. Degree, June 1948 - University of Wisconsin
Madison, Wisconsin

M.D. Degree, June 1950 - University of Wisconsin
Medical School, Madison, Wisconsin

Post-Graduate : Internship - University of Oregon Medical School
Training Hospital and Clinics, Portland, Oregon,
July 1950 - June 1951

Atomic Energy Commission Fellow in Industrial
Medicine - University of Cincinnati, Kettering
Laboratory, Cincinnati, Ohio, Sept. 1951 - July 1952
-Los Alamos Scientific Laboratory, Los
Alamos, New Mexico, August 1952 - July 1953

Experience : Occupational Health Specialist (Self): Advisor and
consultant on the management and technical direction
of occupational medicine and occupational health
programs. (January 1991-current)

Laboratory Affiliates: Occupational Medicine
Group; Environment, Safety and Health Division; Los
Alamos National Laboratory. No-fee consultant to the
Laboratory on occupational medicine & research.
(October 1995-current)

Occupational Health Specialist: Occupational
Medicine Group; Health, Safety and Environment
Division; Los Alamos National Laboratory; Los Alamos.
Responsible for managing and performing research on
long-term effects of ionizing radiation and other
occupational hazards of workers in the nuclear
industry, including long-term epidemiologic and
clinical studies. Provided technical services for

Curriculum Vitae

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George L. Voelz, M.D.

Experience : occupational health problems and worker protection.
(continued) (July 1987 - Dec. 1990)

Assistant Division Leader, Health, Safety and Environment Division, Los Alamos National Laboratory Los Alamos, NM. Principal medical authority at the Laboratory, and responsible for program management and active participation in health research and occupational health programs. (February 1982 - July 1987)

Health Division Leader, Los Alamos National Laboratory, Los Alamos, New Mexico. Responsible for the planning, management, and administration of health and safety programs for this national research and development laboratory. The Division employs about 400 employees within nine specialty Groups: Occupational Medicine, Safety, Industrial Hygiene, Health Physics, Waste Management, Environmental Surveillance, Measurements and Instrumentation, Epidemiology, and Criticality Safety. From 1970 to 1980, research programs were developed in environmental studies, epidemiology, radiation instrumentation, industrial hygiene, occupational medicine, and waste management. The Division also employs about 150 employees in research programs in radiobiology, pathology, molecular and cellular biology, biophysics, agriculture biosciences, and stable isotopes. These programs were reorganized in 1980 into the current Life Sciences Division. (June 1970 - Feb. 1982)

Director, Health Services Laboratory, US Atomic Energy Commission, Idaho Operations Office, Idaho Falls, Idaho. Responsible for the administrative and scientific direction of 75 technical and professional persons engaged in providing preventive occupational health services and research studies at the National Reactor Testing Station. (July 1967 - June 1970)

Assistant Director for Health Services, US Atomic Energy Commission, Idaho Operations Office, Idaho Falls, Idaho. Responsible for programs in occupational medicine and radiation personnel dosimetry for the 6000 persons employed at the National Reactor Testing Station. (Aug. 1963 - July 1967)

Chief, Medical Branch, US Atomic Energy Commission, Idaho Operations Office, Idaho Falls, Idaho. Responsible for the direction of an occupational medical program for all contractors at the National

Curriculum Vitae

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George L. Voelz, M.D.

Experience : Reactor Testing Station. Job responsibilities
(continued) included management of occupational medical programs and policies, and clinical occupational medical practice. (January 1957 - August 1963)

Staff Physician, Los Alamos Scientific Laboratory, Health Division, Los Alamos, New Mexico. Responsible for clinical medical practice in the Occupational Medicine Group (July 1953 - January 1957)

Activities : Literature Abstractor and Book Reviews, Journal of Occupational Medicine (1961 - 1975)

Member, Committee on Eligibility, American College of Preventive Medicine (1971 - 1975)

Chairman, Committee on AEC Fellowships in Industrial Medicine (1964 - 1966)

Chairman, Idaho State Commission on Alcoholism (1966 - 1967)

Committee on Radiation, American Occupational Medical Association (1971 - 1975 Chairman: 1976, Member)

Committee on Energy Technology, American Occupational Medical Association (1977 - present)

National Council on Radiation Protection and Measurements (NCRP). Member, Board of Directors, (1975 - 1979), Council Member (1973 - 1991), Lifetime Honorary Member (1991)

Chairman, Scientific Committee No. 37, National Council on Radiation Protection and Measurements (1973 - 1979). This committee developed NCRP Report No. 65, "Management of Persons Accidentally Contaminated with Radionuclides," (1979)

Member NCRP Scientific Committee No. 71, Radiation Exposure and Potentially Related Injury (1981 - 1992). NCRP Statement No. 7 "The probability that a particular malignancy may have been caused by a specified irradiation," Sept. 30, 1992.

Member, NCRP Scientific Committee 64-18, "Plutonium Risks in Space Applications," (1993 - 1997). Report "Scientific basis for evaluating the risks to populations from space applications of plutonium" (1977)

Chairman, NCRP Task Group 3 of Scientific Committee 63, "Radiation Exposure Criteria for Specialized Categories of the Public", (1989 - 1993)

Curriculum Vitae

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George L. Voelz, M.D.

Activities : Member, Committee 4 of the International Commission
(continued) on Radiological Protection (1984 - 1992)

Consultant, International Atomic Energy Agency

Member, Advisory Committee of the US Transuranium and Uranium Registries, Hanford Environmental Health Foundation (1974 - 1996)

Consultant, National Academy of Sciences, Committee on Federal Research on Biological and Health Effects of Ionizing Radiation (1980)

Consultant, Office of Science and Technology, Committee on Interagency Radiation Research and Policy Coordination (1984)

Lecturer and Extramural Faculty, Oak Ridge Associated Universities, REAC/TS training courses (1974 - present)

Member, Review Panel for Uranium Epidemiology Study, Union Carbide Corporation (1982 - 1984)

Member, Medical Isotope Advisory Committee for State of New Mexico's Environmental Improvement Agency (1975 - 1984)

Consultant, Gulf Oil Company Board of Radiation Health Advisors (1974 - 1980)

Member, Board of Directors, Rocky Mountain Academy of Occupational Medicine (1977 - 1979)

Member, Board of Directors, Los Alamos Family Council (Community Mental Health Agency), (1975 - 1988)
President (1980 - 1984)

Medical Advisor, Department of Energy's Test Controller's Advisory Panel, Nevada Operations Office (1982 - 1993)

Member, Ad Hoc Task Force on the Adequacy of Radiation Protection Standards, Health Physics Society (1987-88). Prepared statement on "The Adequacy of Current Radiation Protection Standards."

Editorial Advisor, Occupational Health and Safety Journal (1975 - 1992)

Editor, Nuclear Industry Physician's Association News (1984 - 1989)

Curriculum Vitae

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George L. Voelz, M.D.

Activities : Consultant, Occupational Medicine, Oak Ridge
(continued) Associated Universities, Oak Ridge, TN
(1991 - present)

Faculty member, Radiation Emergency Assistance
Center/Training Site, Oak Ridge, TN (1968 - present)

Honorary : J. M. Dallavalle Award, American Industrial
Award Hygiene Association, Pacific Northwest Section, 1967

Memberships : Fellow, American College of Occupational and
Environmental Medicine
International Commission on Occupational Health
Health Physics Society

Personal : Date of Birth: October 13, 1926
Place of Birth: Wittenberg, Wisconsin
Married, four children
Veteran, U. S. Navy (Electronics Technician 2/C)
1945 - 1946

July 1, 1997

"Acute and Long Term Health Effects of Radiation," G.L. Voelz, Proceeding of International Conference on Non-Military Radiation Emergencies, Washington, D.C. (American Medical Association, 1986) pp. 123-145.

"Mortality Among Plutonium and Other Radiation Workers at a Plutonium Weapons Facility," G.S. Wilkinson, G.L. Tietjen, L.D. Wiggs, W.A. Galke, J.F. Acquavella, M. Reyes, G.L. Voelz, and R.J. Waxweiler, Am. J. Epidemiol. 125, 231-250, 1987.

"Ionizing Radiation," Chap. 26 in Occupational Medicine, Second Edition, Ed., C. Zenz (Year Book Medical Publishers, Chicago, 1988).

"Does Plutonium Intake in Workers Affect Lymphocyte Function?" G.L. Voelz, A.P. Stevenson, and C.D. Stewart, Proceedings of Workshop on Biological Assessment of Occupational Exposures to Actinides, Versailles, 5/30/88-6/2/88. Radiation Protection Dosimetry 26: 223-226, 1989.

"Analyses of Combined Mortality Data on Workers at the Hanford Site, Oak Ridge National Laboratory, and Rocky Flats Weapons Plant," E.S. Gilbert, S.A. Fry, L.D. Wiggs, G.L. Voelz, D.L. Cragle, and G.R. Petersen. Radiation Research 120: 19-35, 1989.

"Management of Persons Accidentally Exposed to Uranium Compounds", T.A. Lincoln and G.L. Voelz, in The Medical Basis for Radiation Accident Preparedness II (Elsevier, New York, 1990) pp. 221-230.

"Methods for Analyzing Combined Data from Studies of Workers Exposed to Low Doses of Radiation," E.S. Gilbert, S.A. Fry, L.D. Wiggs, G.L. Voelz, D.L. Cragle and G.R. Petersen, American Journal of Epidemiology 131, 917-927 (1990).

"Session VII: Follow-up of Radiation Accident Survivors - Introductory Remarks," G.L. Voelz, in The Medical Basis for Radiation Accident Preparedness II (Elsevier, New York, 1990) pp. 365-367.

"Epidemiology Studies of Plutonium Workers", G.L. Voelz, (abstract) Health Physics 58, supp. 2 p. 525 (1990).

"U.S. Transuranium Registry Report on the Pu-239 Distribution in a Human Body," J.F. McInroy, R.L. Kathren, G.L. Voelz and M.J. Swint, Health Physics 60, 307-333 (1991).

"Evaluation and Treatment of Persons Exposed to Internally Deposited Radionuclides," pp 151-168 in Medical Management of Radiation Accidents, F.A. Mettler, C.A. Kelsey, and R.C. Ricks, Eds., Chapter 10 (CRC Press, Boca Raton, FL 1990).

"Mortality Among a Cohort of Workers Monitored for Exposure to the Radionuclide ²¹⁰Po," L.D. Wiggs, C.A. Cox-DeVore, and G.L. Voelz, Health Physics 61, 71-76 (1991).

"Uranium," G.L. Voelz, chapter 113 in Hazardous Materials Toxicology, (Williams & Wilkins, Baltimore) pp. 1155-1159, 1991.

"Radiation Injury" G.L. Voelz, chapter 73 in Principles and Practice of Emergency Medicine, third edition (Lea & Febiger, Philadelphia, 1992).

"A 42-Year Medical Follow-up of Manhattan Project Plutonium Workers," G.L. Voelz and J.N.P. Lawrence, Health Physics 61, 181-190 (1991).

"Health Considerations for Workers Exposed to Plutonium," G.L. Voelz, pp 681-694 in Occupational Medicine: State of the Art Reviews. The Nuclear Energy Industry (Hanley & Belfus, Philadelphia, 1991).

"Epidemiology of Plutonium Workers," G.L. Voelz, L.D. Wiggs, and W.A. Galke, Proceedings of the Eighth International Congress of the International Radiation Protection Association, Montreal, Canada, Vol. 1, pp 714-717, 1992.

"Studies of Health and Mortality Among Contractor Employees at United States Department of Energy Facilities," S.A. Fry, D.L. Cragle, D.I. Crawford-Brown, E.A. Dupree, E.I. Frome, E.S. Gilbert, G.R. Petersen, C.M. Shy, W.G. Tankersley, G.L. Voelz, P.W. Wallace, J.P. Watkins, J.E. Watson, JR., and L.D. Wiggs in Radiation and Public Perception, American Chemical Society, Advances in Chemistry Series 243, Eds., J.P. Young and R.S. Yalow, 1994.

"Mortality Through 1990 Among White Male Workers at the Los Alamos National Laboratory: Considering Exposures to Plutonium and External Ionizing Radiation," L.D. Wiggs, E.R. Johnson, C.A. Cox-Devore, and G.L. Voelz, Health Physics 67, 577-588 (1994).

"Medical Management of Internal Contamination Accidents," G.L. Voelz and J.T. Bushberg, Chapter 28 in Internal Radiation Dosimetry, Ed., O.G. Rabbe (Medical Physics Publishing, Madison, WI) 1994.

"Ionizing Radiation," G.L. Voelz, Chapter 27 in Occupational Medicine, Third Edition, Eds., C. Zenz, O.B. Dickerson and E.P. Horvath, Jr., (Mosby, St. Louis, MO) 1994.

"Direct Estimates of Cancer Mortality Due to Low Doses of Ionizing Radiation: An International Study," IARC Study Group of Cancer Risk Among Nuclear Industry Workers, Lancet, 344, 1039-1043, 1994.

"Mortality Through 1990 Among White Male Workers at the Los Alamos National Laboratory: Considering Exposures to Plutonium and External Ionizing Radiation," L.D. Wiggs, E.R. Johnson, C.A. Cox-Devore and G.L. Voelz, Health Physics 67, 577-588, 1994.

"Occupational Injuries Caused by Radiation Exposure," G.L. Voelz, Chapter 30 in Occupational Injuries: Evaluation, Management and Prevention, Eds, T.N. Herington and L.H. Morse (Mosby, St. Louis) 1995.

"Effects of low doses and low dose rates of external ionizing radiation: Cancer mortality among nuclear industry workers in three countries," E. Cardis, E.S. Gilbert, L. Carpenter, G. Howe, I. Kato, B.K. Armstrong, V. Beral, G. Cowper, A. Douglas, F. Fix, S.A. Fry, J. Kaldor, C. Lave', L. Salmon, P.G. Smith, G.L. Voelz, and L.D. Wiggs, Radiation Research 142,117-132, 1995.

"Combined analyses of cancer mortality among nuclear industry workers in Canada, the United Kingdom and the United States of America," E. Cardis, E.S. Gilbert, L. Carpenter, G. Howe, I. Kato, J. Fix, L. Salmon, G. Cowper, B.K. Armstrong, V. Beral, A. Douglas, S.A. Fry, J. Kaldor, C. Lave', P.G. Smith, G. Voelz, and L.D. Wiggs, I.A.R.C Technical Report No. 25 (Lyon, France, International Agency for Research on Cancer, World Health Organization, 1995).

"Fifty years of plutonium exposure to the Manhattan Project plutonium workers: An update," G.L. Voelz, J.M.P. Lawrence and E.R. Johnson (To be published in Health Physics, October 1997).